

SYSTEMS AND METHODS FOR INTER-COOLING COMPUTER CABINETS

ABSTRACT OF THE DISCLOSURE

Systems and methods for cooling computer components housed in cabinets in large computer systems are disclosed herein. In one embodiment, a computer system configured in accordance with the present invention includes a chassis having at least first and second computer module compartments. The first and second computer module compartments are positioned in an air flow path in the chassis. In this embodiment, the computer system further includes a heat exchanger positioned in the air flow path in the chassis at least partially downstream of the first computer module compartment and at least partially upstream of the second computer module compartment. A computer system configured in accordance with another embodiment of the invention includes a heat exchanger positioned at least proximate to a first computer module compartment in an air flow path. The heat exchanger can include at least one internal fluid passage configured to carry a working fluid in phase transition.